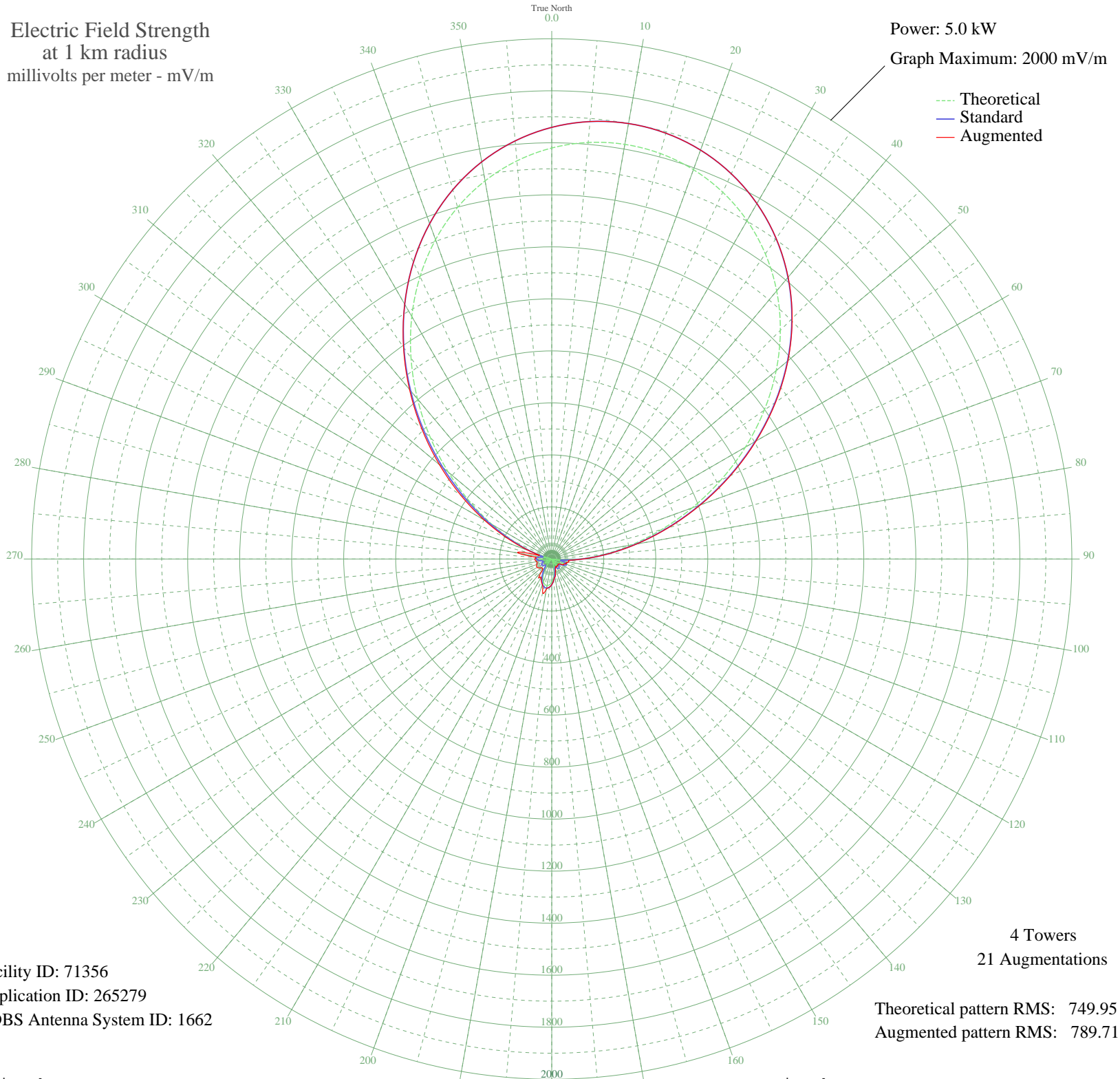


# WDSM SUPERIOR, WI BL-19980402KC 710 kHz

Nighttime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 71356  
Application ID: 265279  
CDBS Antenna System ID: 1662

Theoretical pattern RMS: 749.95  
Augmented pattern RMS: 789.71

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1580.07	1659.40	1659.40
5	1607.41	1688.11	1688.11
10	1618.63	1699.89	1699.89
15	1613.83	1694.85	1694.85
20	1592.95	1672.93	1672.93
25	1555.84	1633.97	1633.97
30	1502.26	1577.72	1577.87
35	1432.10	1504.08	1504.58
40	1345.54	1413.21	1414.23
45	1243.23	1305.82	1307.48
50	1126.55	1183.35	1185.70
55	997.74	1048.16	1051.15
60	859.99	903.60	907.10
65	717.40	754.01	757.81
70	574.85	604.50	608.32
75	437.62	460.70	464.16
80	311.02	328.26	330.95
85	199.84	212.45	213.97
90	107.84	118.01	120.37
95	37.32	51.41	65.20
100	11.12	35.26	67.25
105	38.68	52.50	56.74
110	48.20	60.56	54.52
115	43.71	56.69	50.90
120	30.00	45.81	40.23
125	11.95	35.56	32.93
130	5.96	33.85	32.12
135	20.12	39.41	33.80
140	28.05	44.43	33.23
145	28.54	44.78	36.04
150	21.55	40.24	33.80
155	8.04	34.33	35.49
160	10.29	34.98	43.22
165	31.31	46.77	54.13
170	52.75	64.61	70.89
175	72.40	82.98	82.98

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	88.35	98.55	98.55
185	99.11	109.25	109.25
190	103.70	113.86	116.34
195	101.72	111.87	133.95
200	93.34	103.50	105.04
205	79.31	89.68	94.64
210	60.94	72.12	81.70
215	39.97	53.55	87.57
220	18.50	38.53	55.64
225	1.18	33.29	50.44
230	16.85	37.68	52.97
235	26.61	43.44	59.55
240	29.17	45.22	64.71
245	24.13	41.82	64.69
250	12.24	35.67	61.12
255	4.54	33.61	57.87
260	23.03	41.13	58.74
265	39.06	52.81	63.03
270	47.83	60.24	65.19
275	44.45	57.32	59.01
280	24.52	42.07	130.64
285	15.33	36.96	64.57
290	76.98	87.41	91.84
295	160.57	171.85	186.31
300	264.46	279.67	299.59
305	385.42	406.06	426.51
310	519.01	545.98	563.27
315	660.08	693.89	706.05
320	803.28	844.09	850.90
325	943.50	991.24	993.84
330	1076.33	1130.63	1130.98
335	1198.18	1258.53	1258.53
340	1306.45	1372.17	1372.17
345	1399.42	1469.77	1469.77
350	1476.19	1550.35	1550.35
355	1536.39	1613.55	1613.55